BELIZE. 1981 Masuttermes sp. In 3, 7 From lag burg used as frewood. Jane 7 1981 Blin Hole, Belige Magas B. Termitophile from 1 A. In Spee - 12 res. amiterne sp. 4, 7-dens tranch men bldg. Polis Holi, Beling June 9, 1981 Marchaernes of Durd down branch mytrail to building Blue Hole, Belign June 7, 1981 ISV + nourche Smilermen sp Im, 4, June, 1981 Deven transh Blue Hole - Beline

5. Helewherm sp. 2. 5 Juni 6,1981 - Down dead C. Heferofumes up. June 8, 1981 Steener, Leavily eaten, in greened. Blue Hole, Belige 4, 7 Sullie 7 q. amplet i day unt 6 was on a laid Helpholume added, Enil disrupted, & Fr 4 attacked Microaerotarmes Contat 2 - Relamy unt is. refreshers of and medically from truit, Remiter attached any repelled them. Aut themsel sign

by franker deter lemme contact. Combet 3 - Red army aut in hagititeine of - timules Repelled and exteriory Junes
7. Ferrill 10 11 11 fin further Interior June 8 Hourstermes Al 8. Secretary Fenzi Port 1 heard 1000 for 1600 /6061 2007 to hepani 9. Dead branch on ground linds Tood in second-growth fordering Columbia Ro. Ca 5 me. flow-Staphylinide Rating stray
Counte at site of
Nest picking - Missitthiums

11 Julie 8 - Berside none, Second Growth, near Store, 6 mi. Even Alue Hole, Selige. 7, 4 40 28 38 40 5860 18 90 12. June 8 - Bush Road - Cartan nerton palmtul, en 1/2 ft where ground - ca 6 mi from Mu Hole Station, cleaned are, beside wood - Se cond-growth 100 4 in Herana June Confat & Monay (3) op. gor good pretures 9 -Cents capitared bernute; showed tempon of distress after being fined any but ment on to clean, other cettach mare letrule

nest material with termites in it peaced in milest of a Control at 10:55 AM. Tifter 9 / Li: 1021 Maile 12 feet to the first 14. To recent, in Cry Deal telägeh on ground as #13 puther up - Thang a Garly - Jame 9, 1981 -

15. Hexesofernes of from standing steering up has from Blue Hole Lodge latries June 9\_ 16. Michigania , the getherely in land I family also fatour ( Travers , My - Area Marie situation, MALD 113 Carrent & Moracis Block of word confaining Ca 30 naswitterns of words + soldiers placed in path of Younging Monroes.

any and that approached, group still intoet apper 30 min. Parties separated and leading word, later refund. 2/ slow, but syllis ants yperflued 19 caught at tryinning 1 7 11 & 45 min. Terminated @ 1 be - Surve wors returned to culture copyand and isolated to planticupy 17. Down wood near brogge Blu Hole, Beling - 10 June 1987 - M8C. 18. Muntidernes st. longe

16- Continue 24 hrs. later Survivas = 3 liver, /dear 2 eseaped Carlind, #15 - 12:30 Ph la 200 une 16 G. Termite from colony places in Monaeis trail @ 12:30 and sund vorber unmelige Medly all termits captures

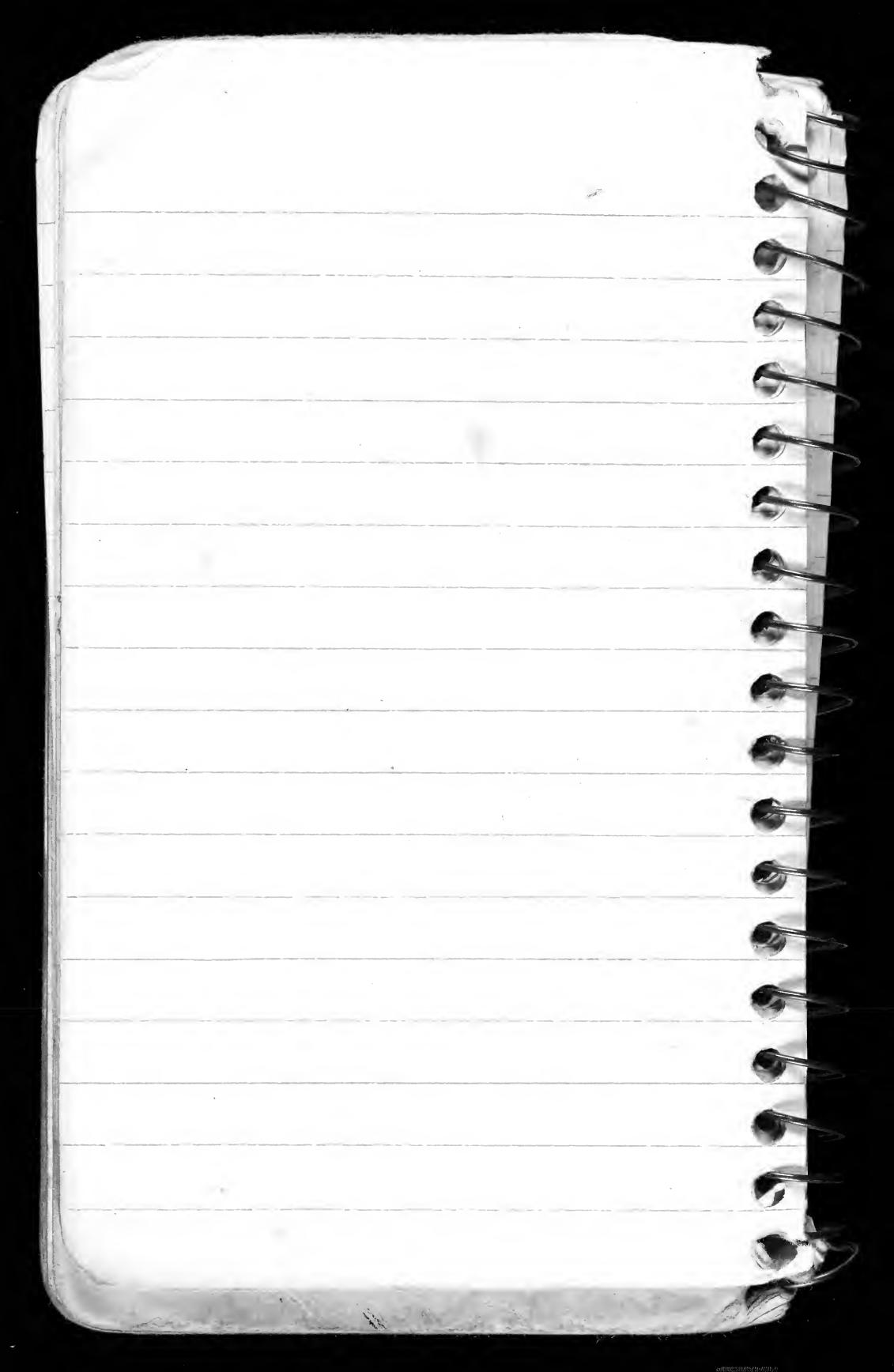
19 Coptobernes 4. unde back, dead the - Rever warner Steven - June 10, 1981 Alu Hole, Belige 20. 0 .... P. A. J. Land Committee of the Committee - auther I revel British Day Soldwis lanes N. exhrotae forglen N. exhrotae 22 - Sam evelynas 21? about 10 Josepuller down trail in deal leave - Blaced in frag asbait for predators Predators were served & 24, 9

Don's Out for dead free unhabites ly & White - Commen Parunt Schristeren purifily. bung = del. 3 nest in own, all in Tides unhaliteating and protected by their and very weiner! 23. June 11, 1981 Furest Survey Stateun new Solamania - get bred. Smul cordon overt en ardi gerong the in cleaned when -200 te separe ; 4, & vouchers Carryet: 100 7, 100 7 in feeding hair of monacy m

15 min on Indublished feel of 24. June 11. Jourst Service Sta Caufin past on Jul. 200 y to hepany; and presistory olsever -Combat i Manaeis "individuas motheritarily repulsed the z fire Rus soon recever and attach grouped or isolales werbus Carrying of large runtees to nest. 35. Long complet Carton new lying an opulume when Mehan Fourt Servie Sta Belige - June 11 - 200 to Kepais

auts ate there i N, 21, & Quests pouls. 26. armiteurnes pp. Warren Jeing Columbia Coverd, Selige Itaw 11, 1991 27. Coptateunes sp. Bully log m. building, Blue Oroch. June 12/98/ 28. Masutikernes sp. Carto nest on tree, low ground beach, Belieur Beach Hortel Im, 4, 9

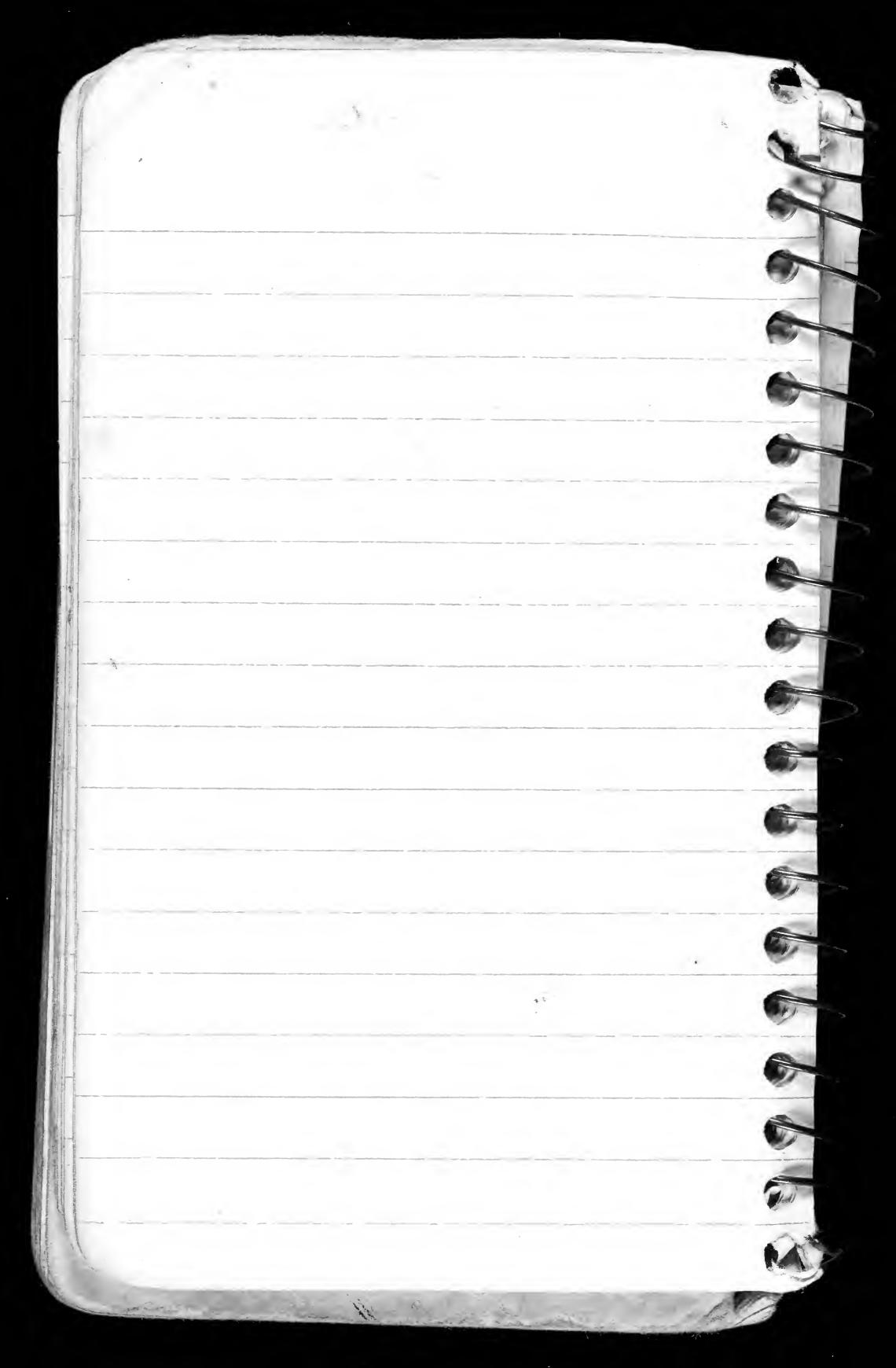
29. Masurixemes 4 Dauguga- on tell mear Geliean Broch Hatel. Canton nest. 100 y / Im., 21, 7 South Hurray, 45 mi, 50. 9 Dangringa 30. Lunch Stop, Rato Bur Cush Sandy Penne Servet none saw mily site-June 15, 1981 - under large som as 30 - anitemasp. 32. Hetantermy of me in send franch 33.5 mudate a 32 34. amperons of Juan



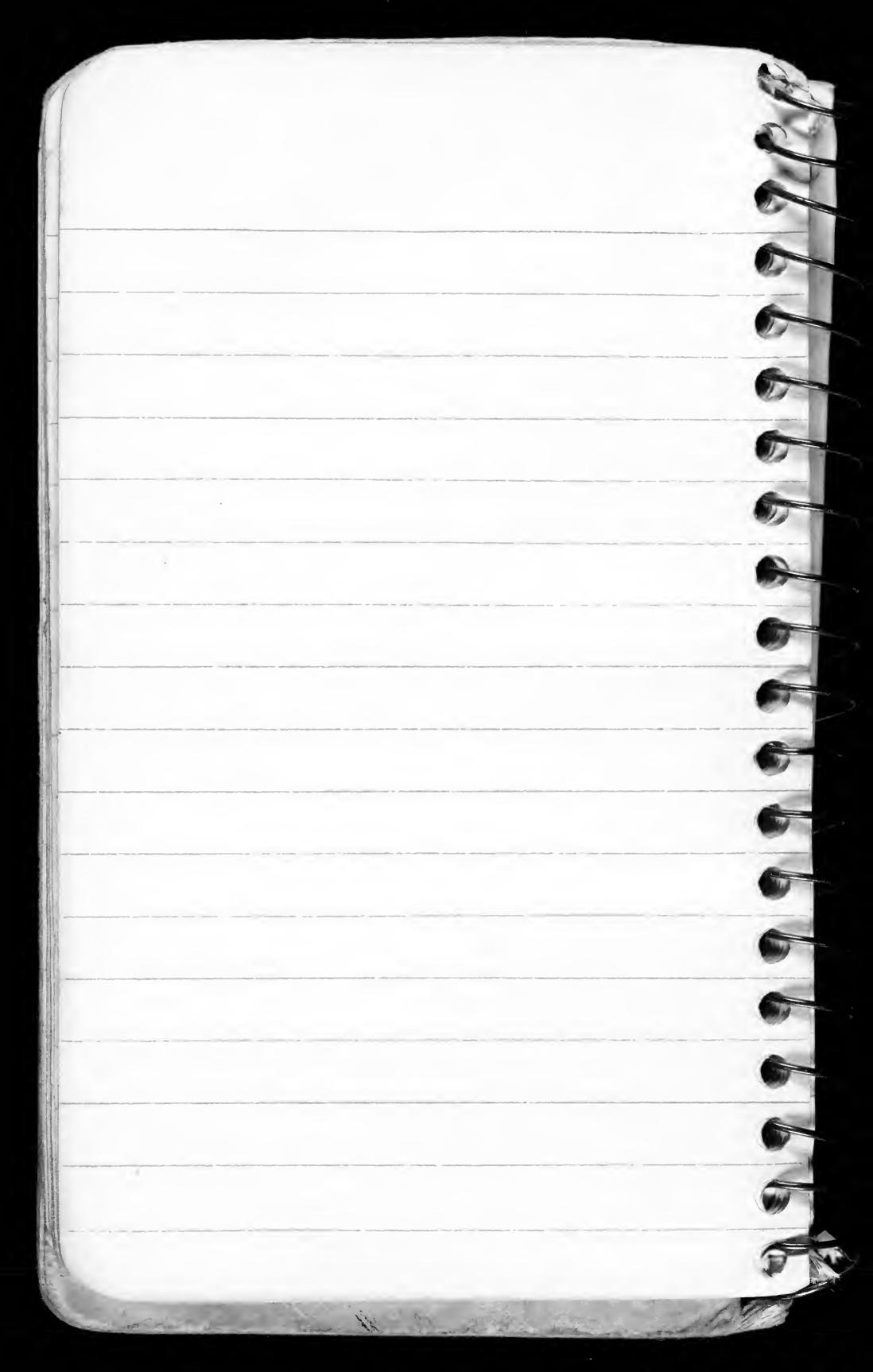
35. Copleternes of in party hurred Johns log - ald colone à carbon! larth muss musely. same site, bunch sty Slar Creek again - June 17, 37. amillemes op. Juny 17, 1981 Rottenling M. shelfer Msc. 39- Rotten tog Tunther up trail - with amblypygid

40. Nasullerme M. Canton nest on side q big ther rear latine esslurant Str. - nest with then auter puvelope, furner uner Cell 100 y par glenn HI SMANNE THE STATE OF THE STAT 1-2 Reloyermend. Hard stunding strong nen shelly sang ady In, 4., N

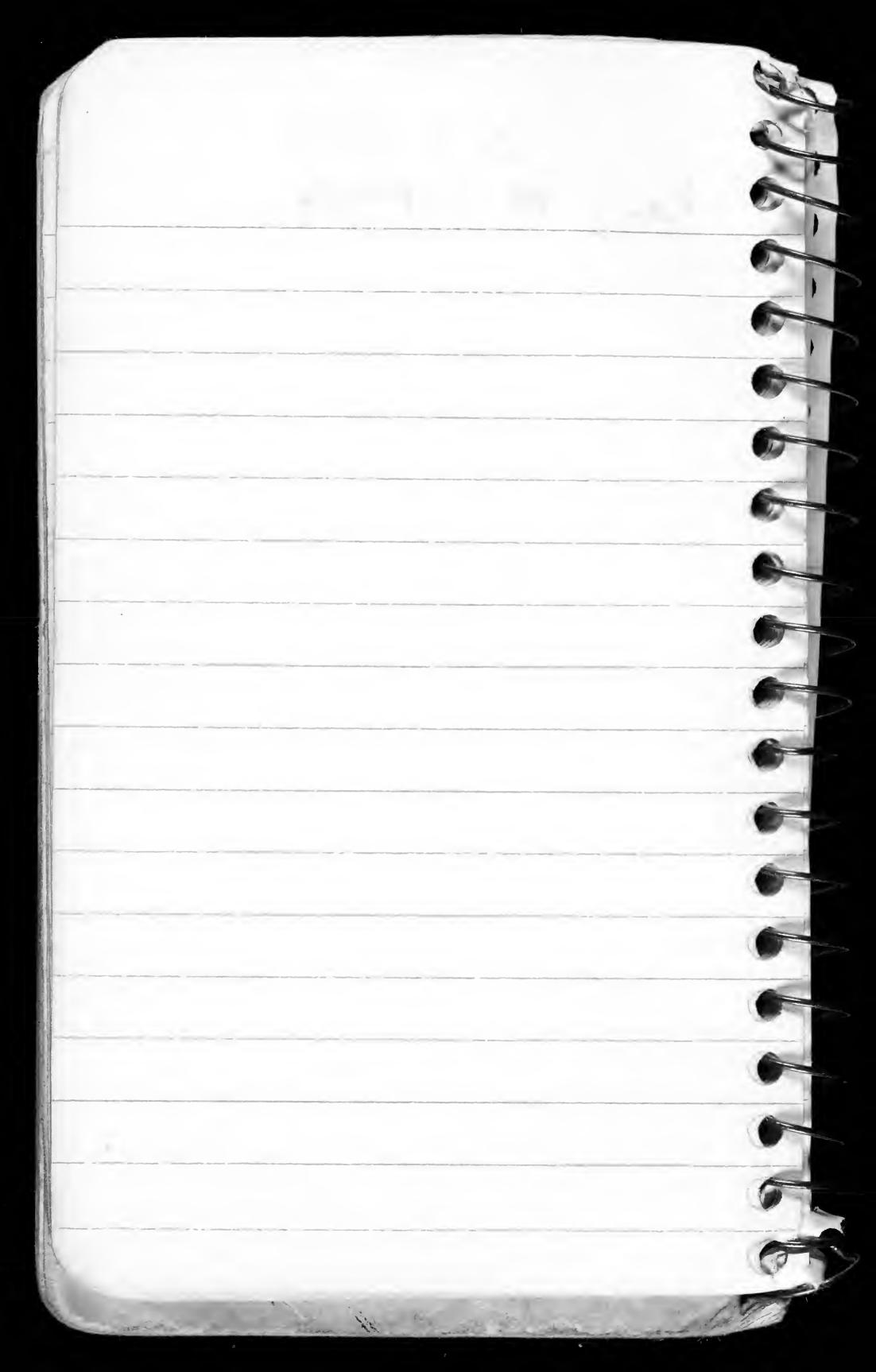
44. Lage Auniteum Jus log & sextopula 45. n. Octopili (?). July large dear log men malais trup, 1/2 mg. from shelter - Line cultury Jan Stile Treme Thomas H. anterno y. June 18, 1981 down branch near Shu buch If me upriver from shelfer mge 21, \$ and the second

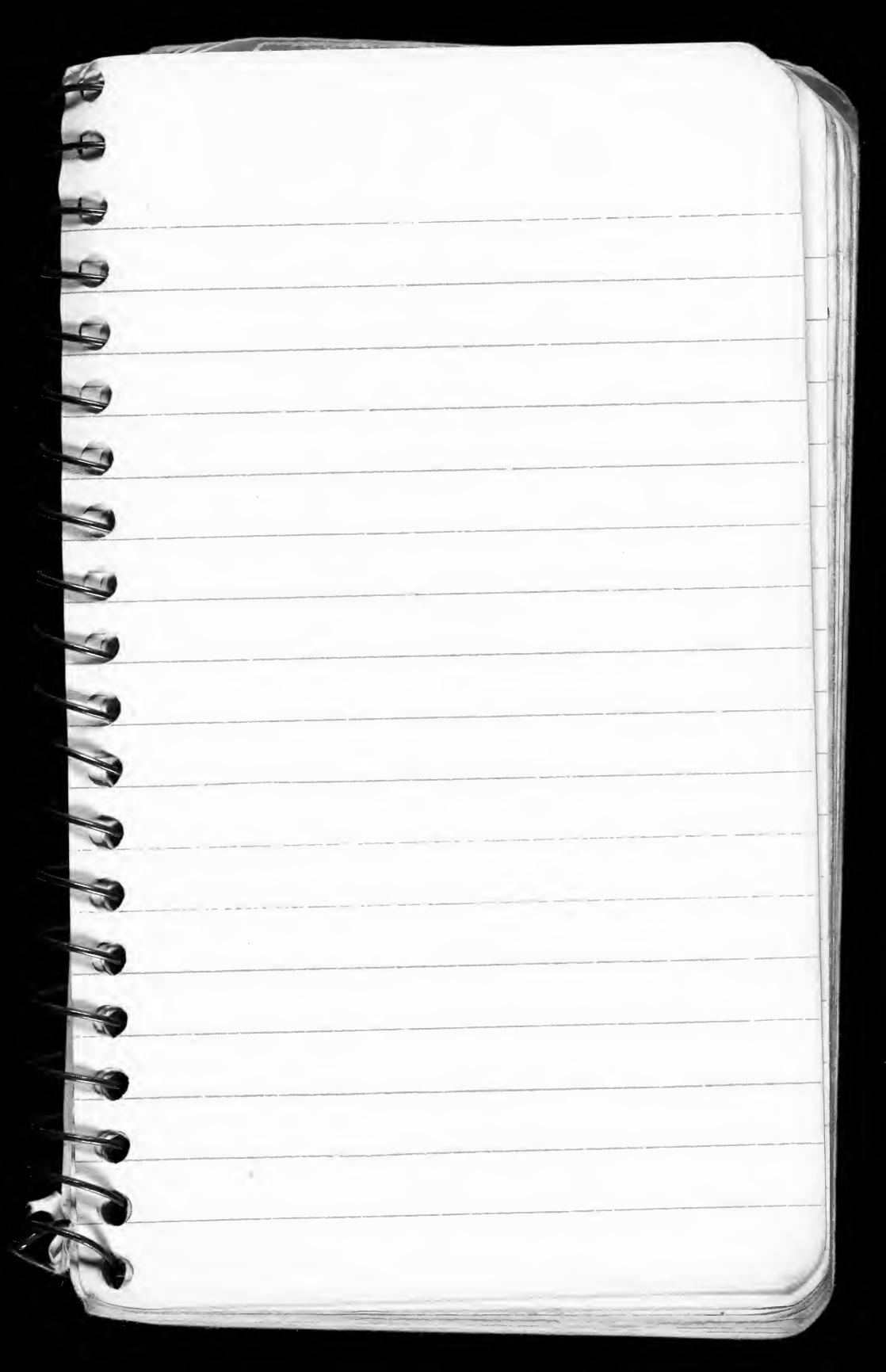


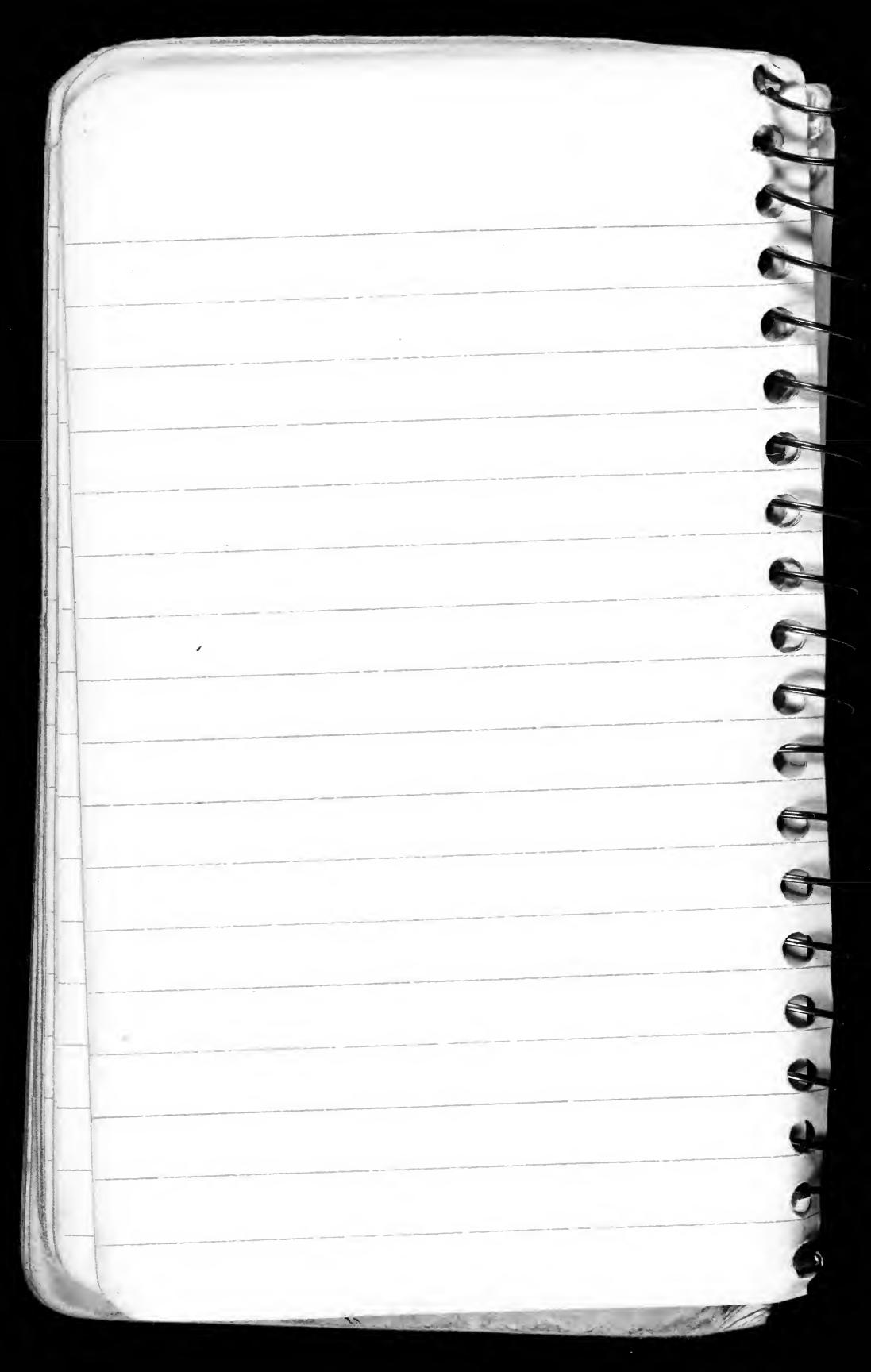




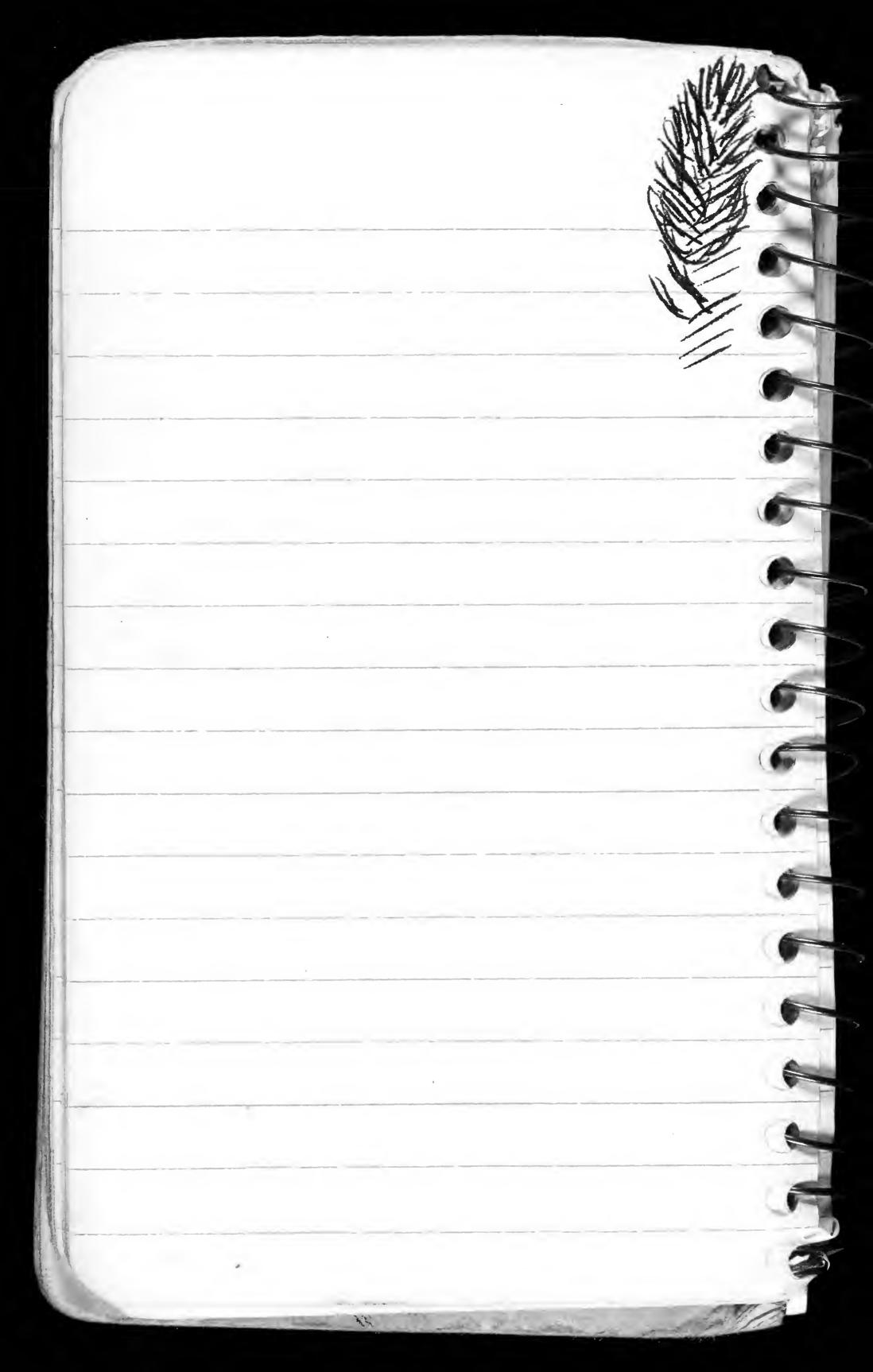
357-1989 357-1989 Kan



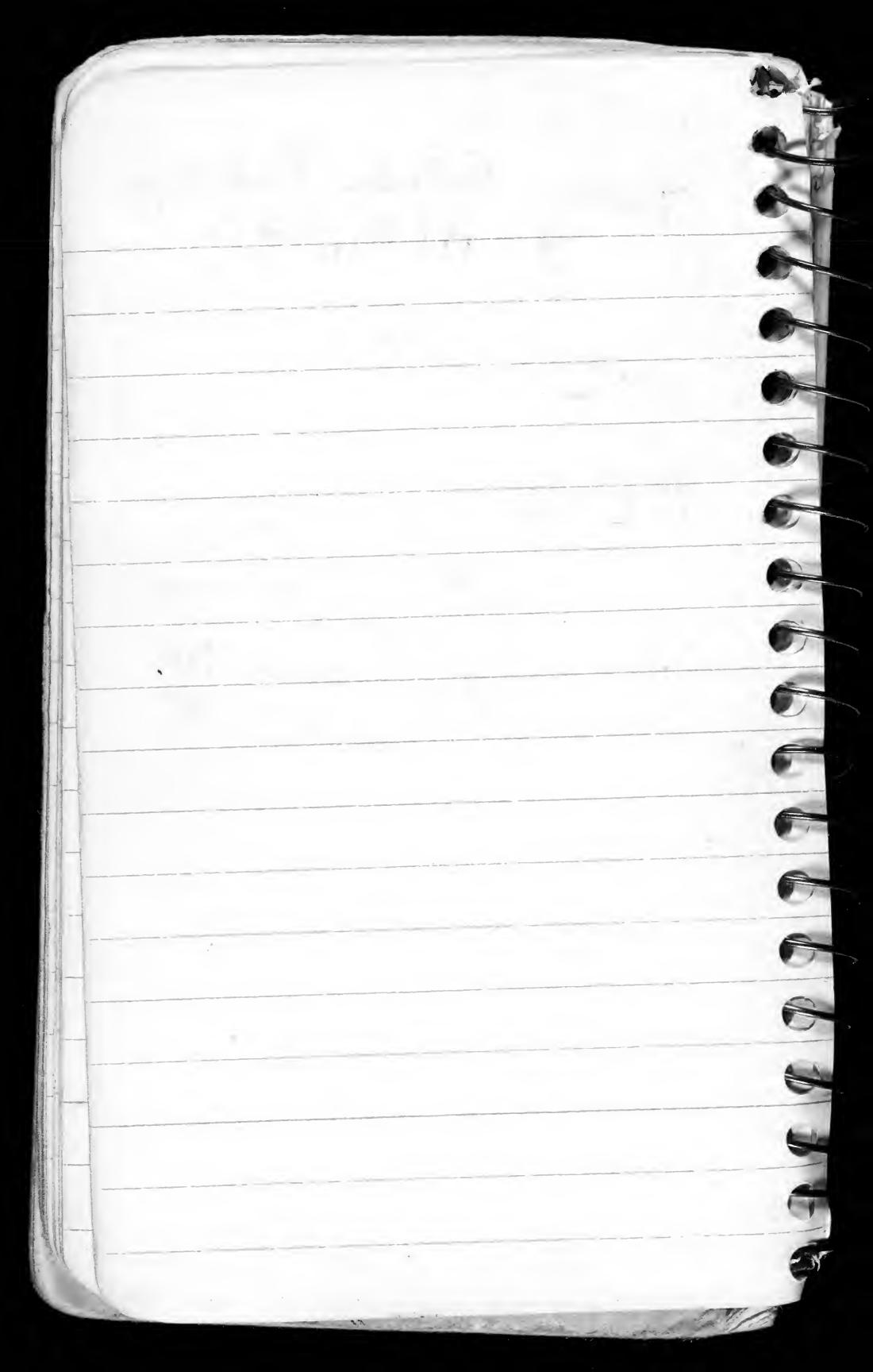








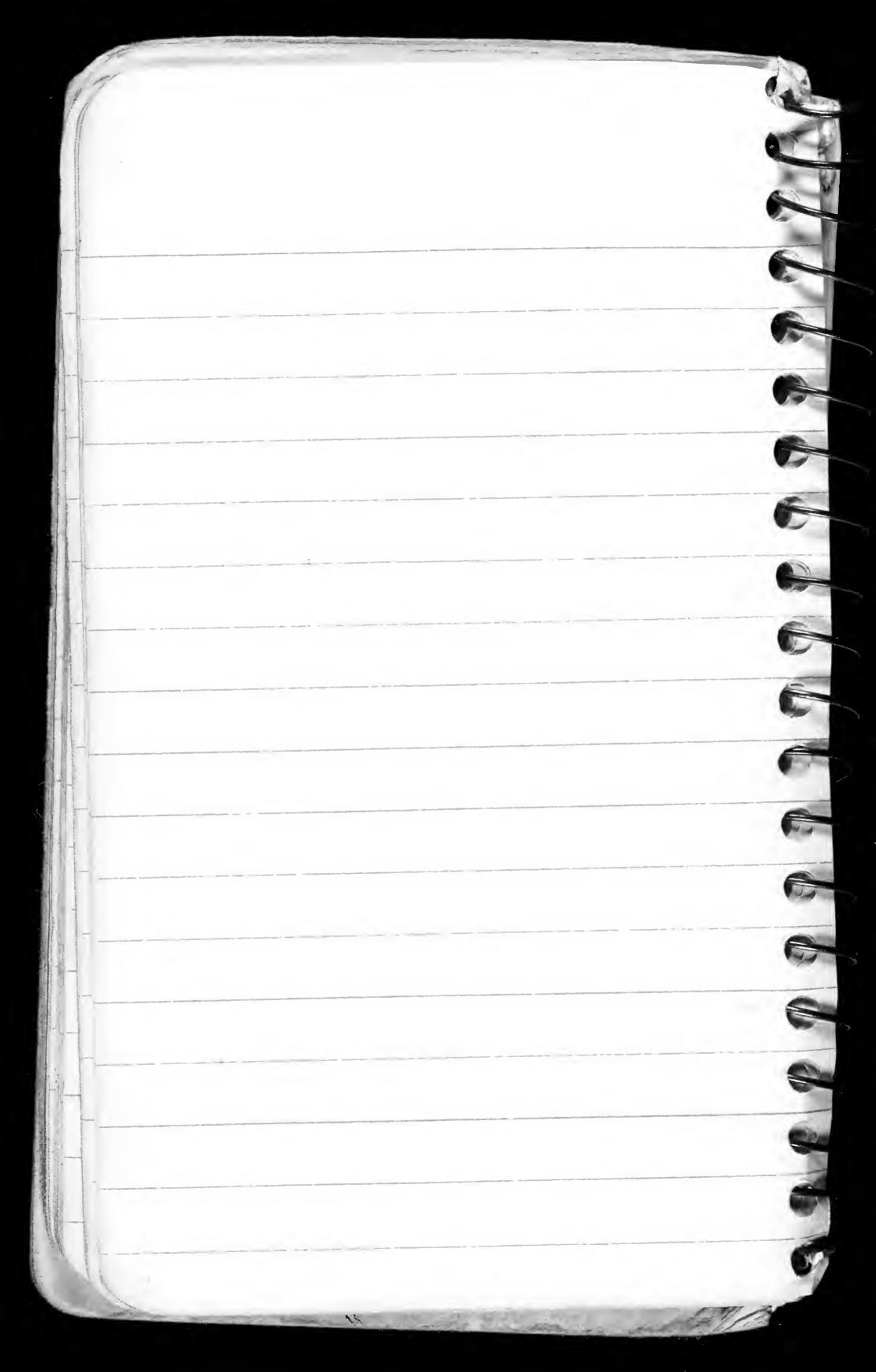
Roberta Rubinoff 287. 327/ Francis Seminar 2nd Hours



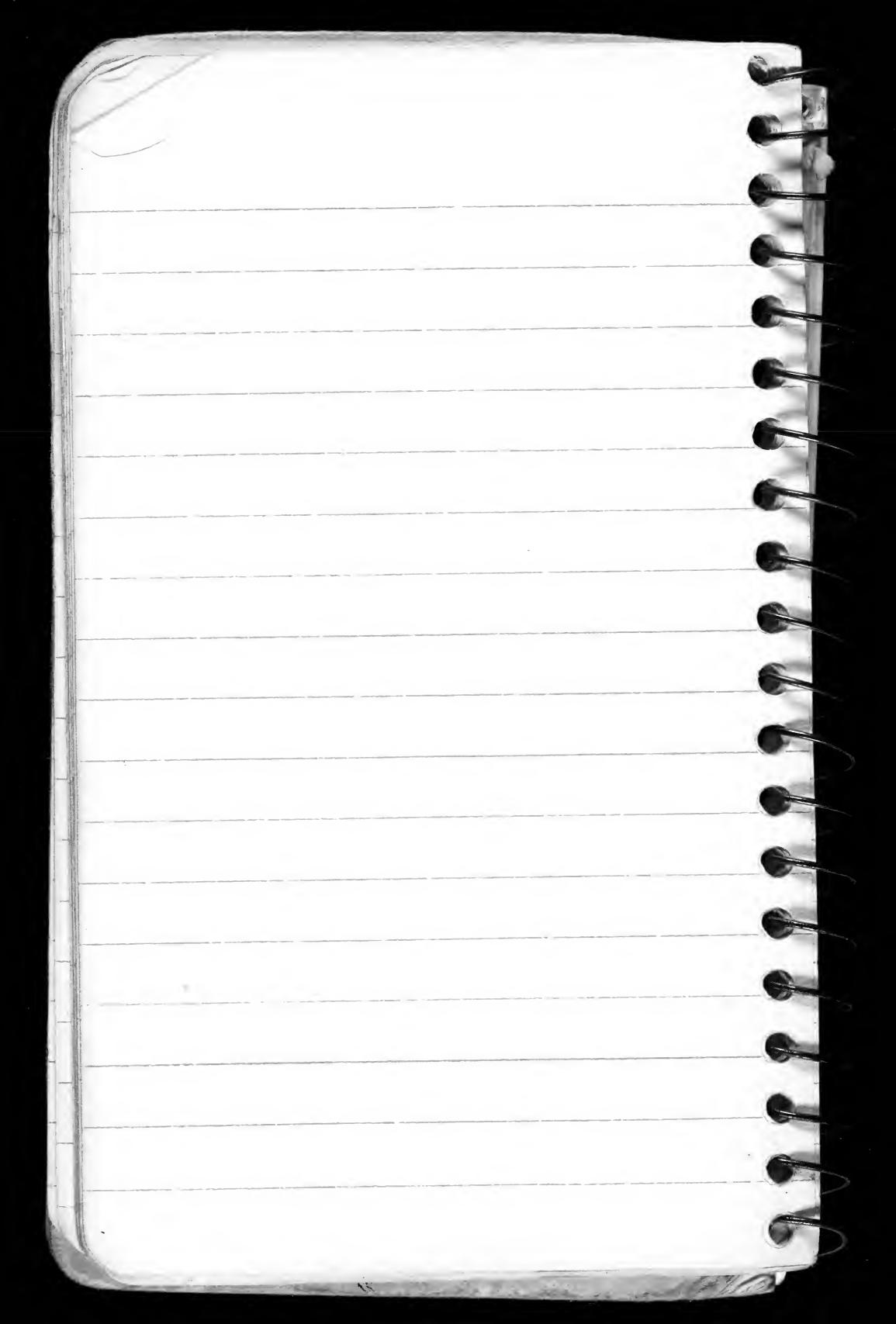
airling 4242 5-1567 NAME (4)

100 1/1/100 

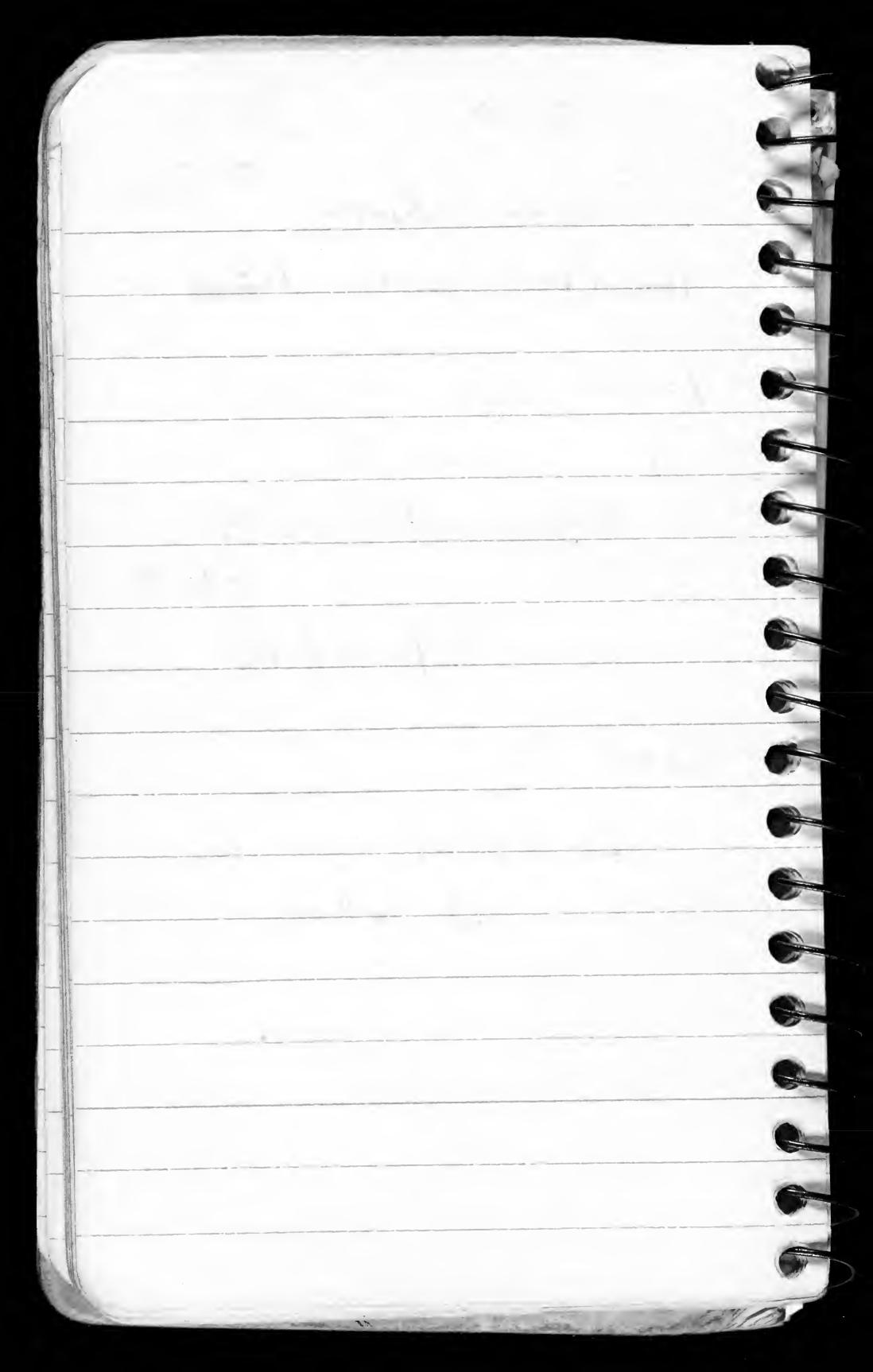
All Seles Apecimen, Soul alex anilum sp. 1 spelle lead mud. 1.72 mm. # 30 #43 plus I and fruits



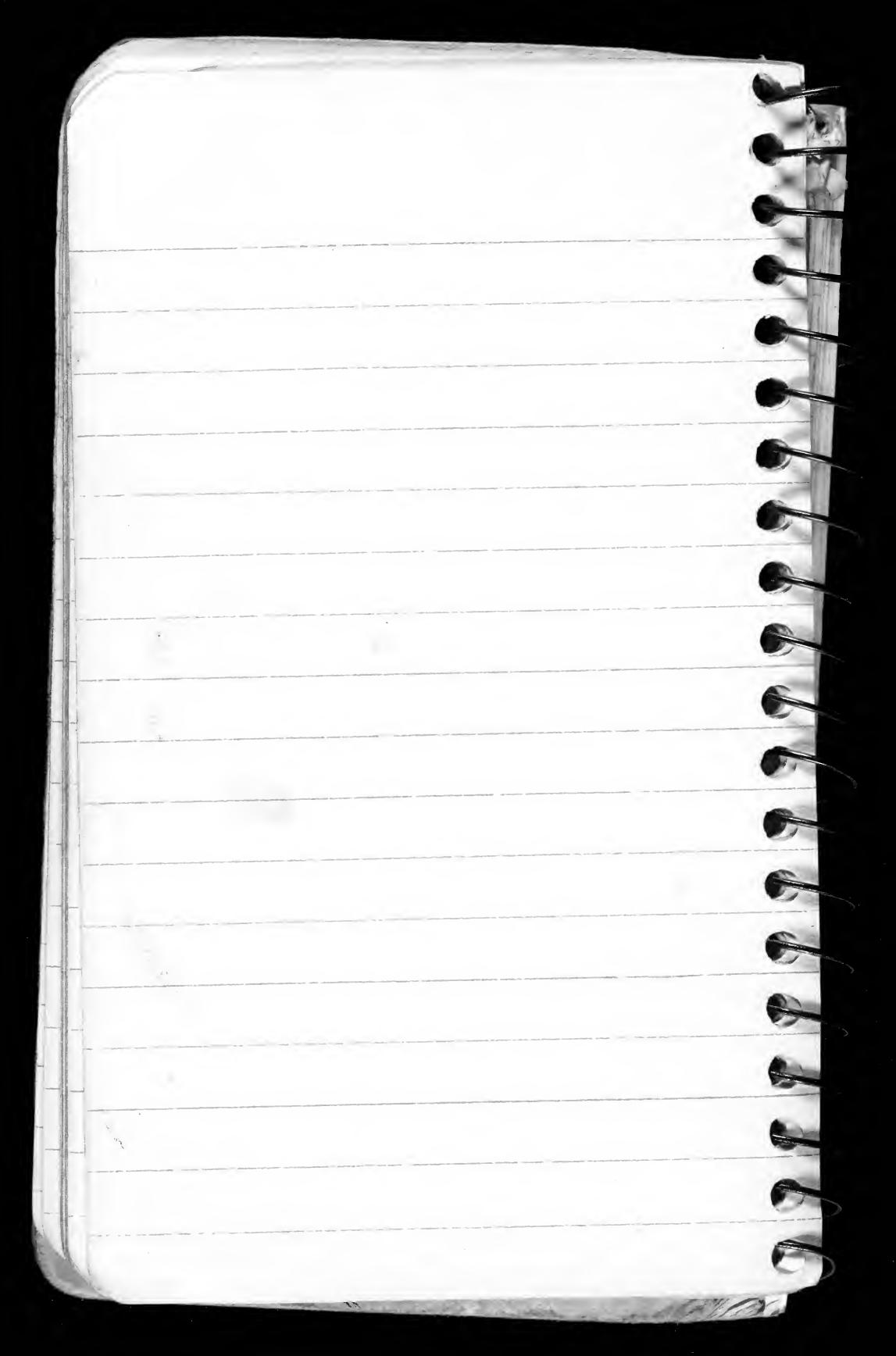




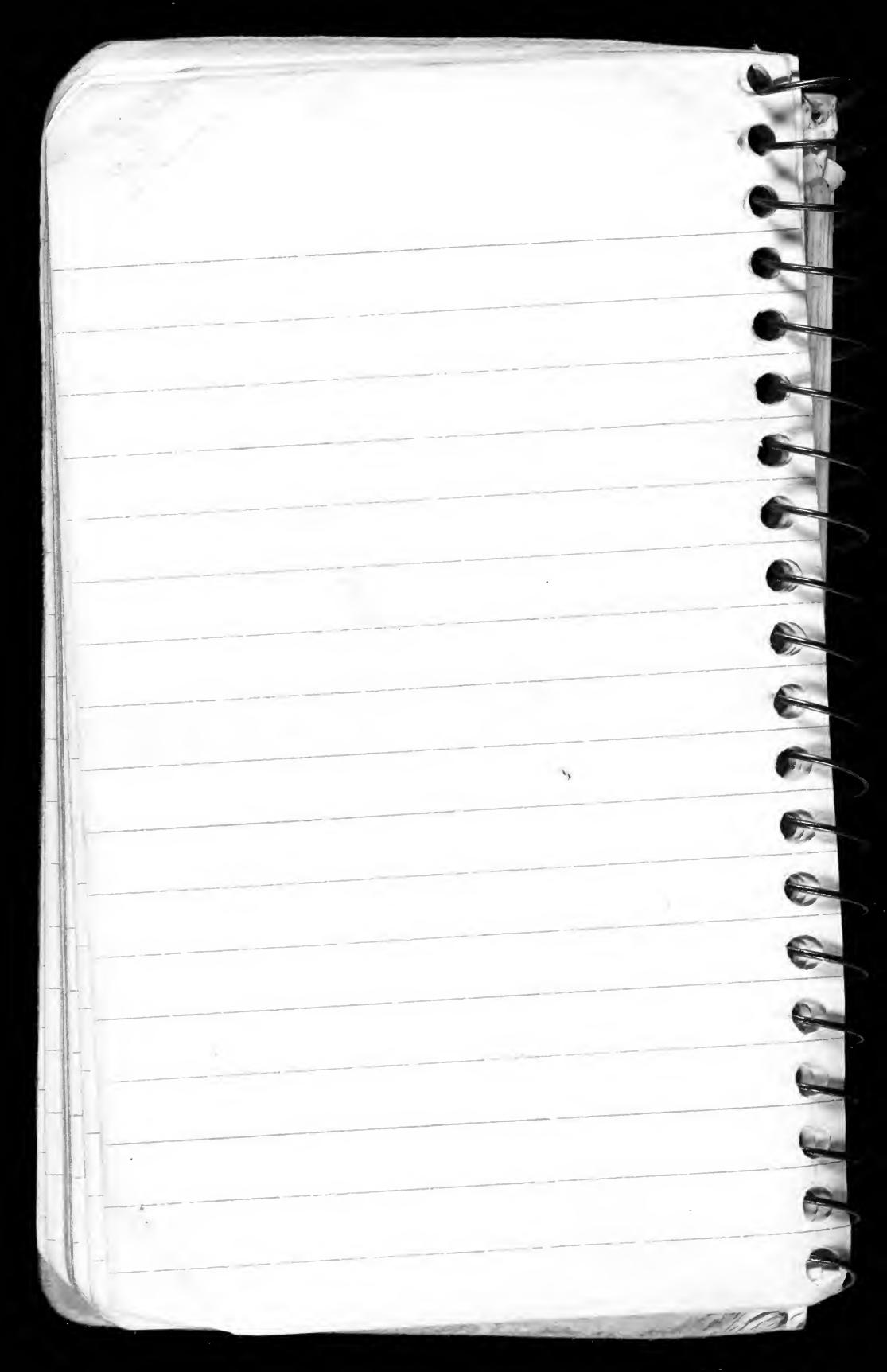
2 ws 89,95 Elloun & Dave Trian Harrist Sart - Wife 1-800-848-2649 1 were the 4332 -6001-0509-8678 Sep 1/90 Sevol To: Loanin in ca 2 weeks



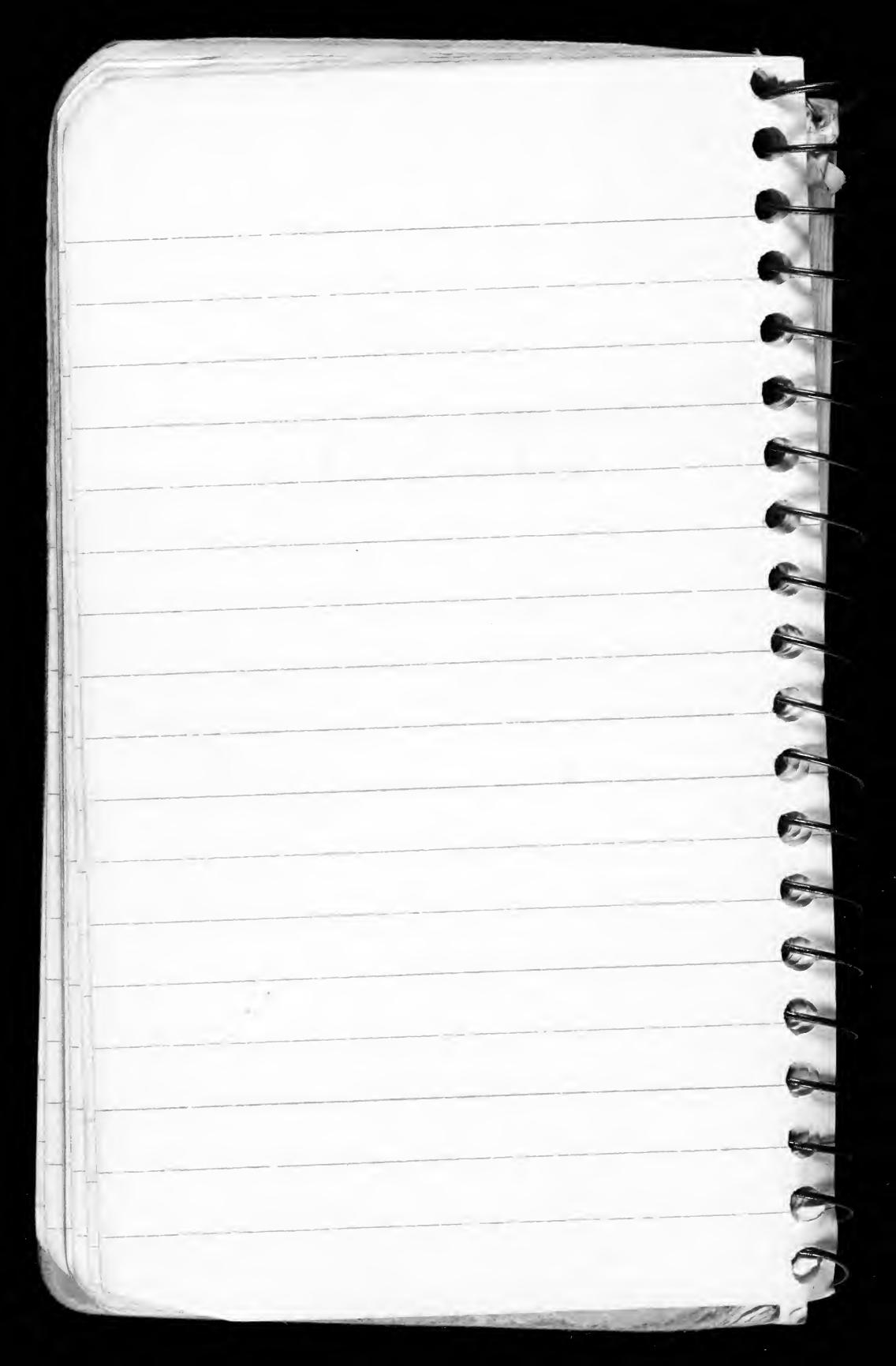


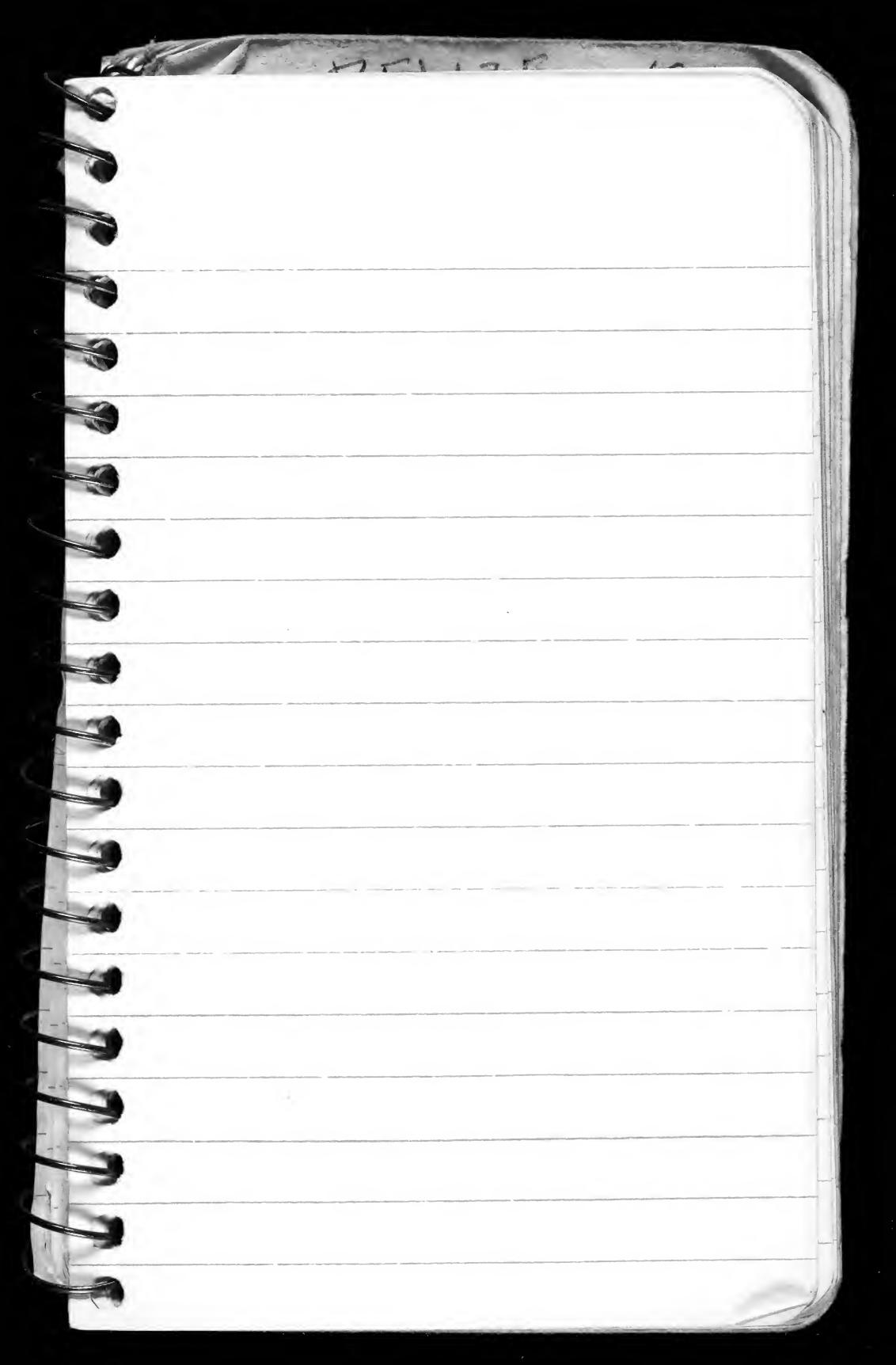


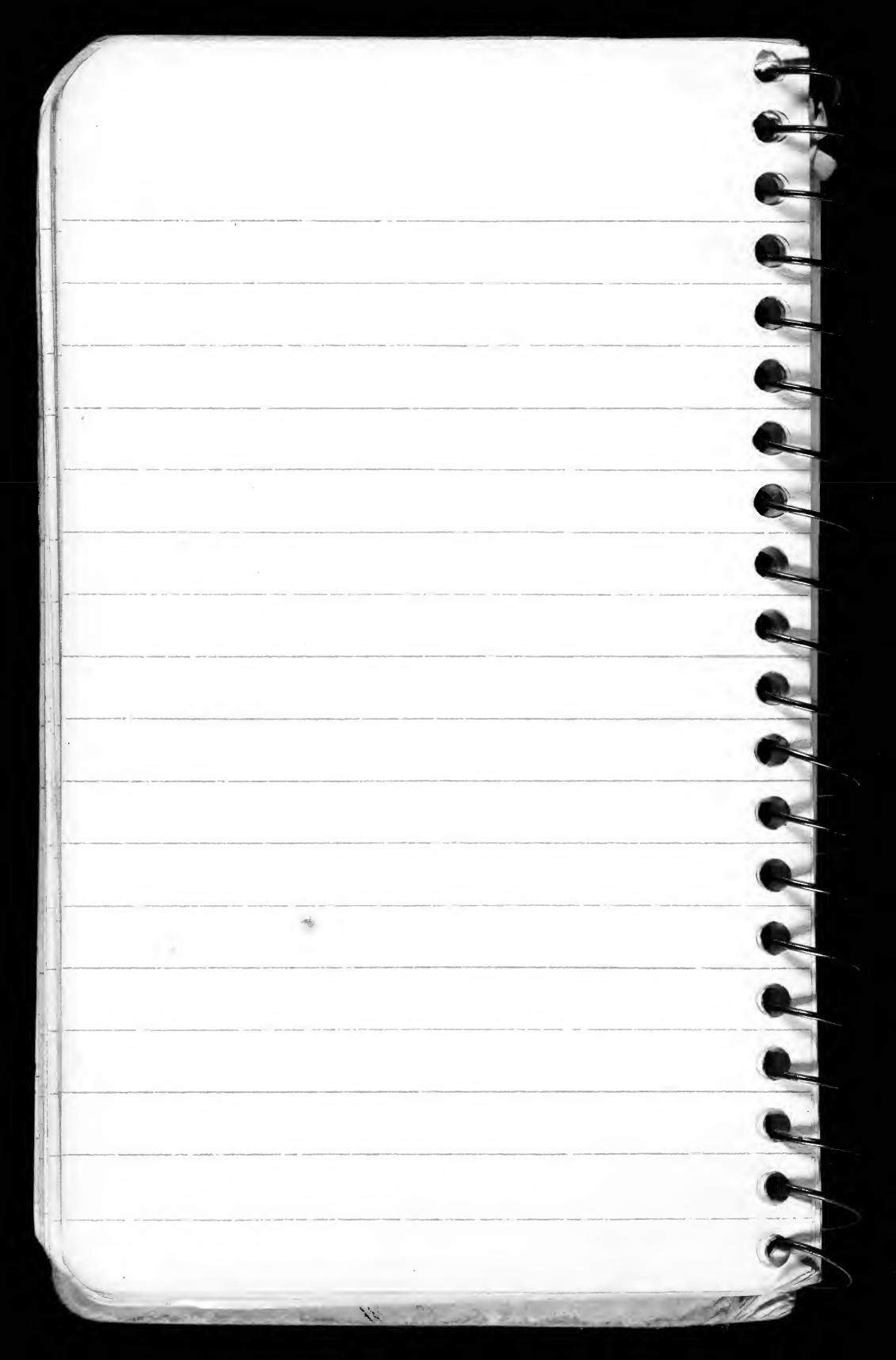
7 3333 Armitermes albidus Macracanthorhynchus hirudinaceus 



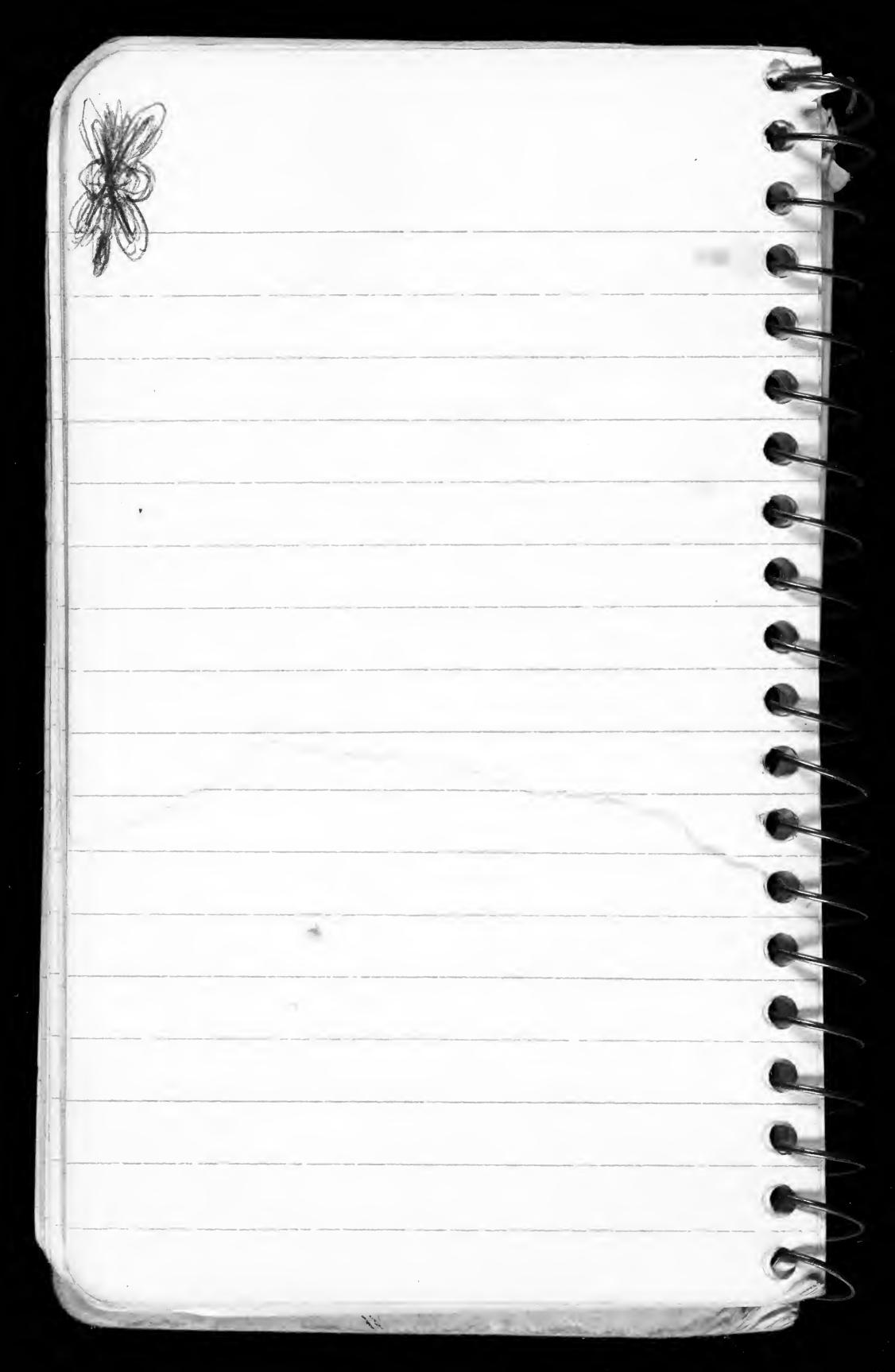
Mm A 222 6634



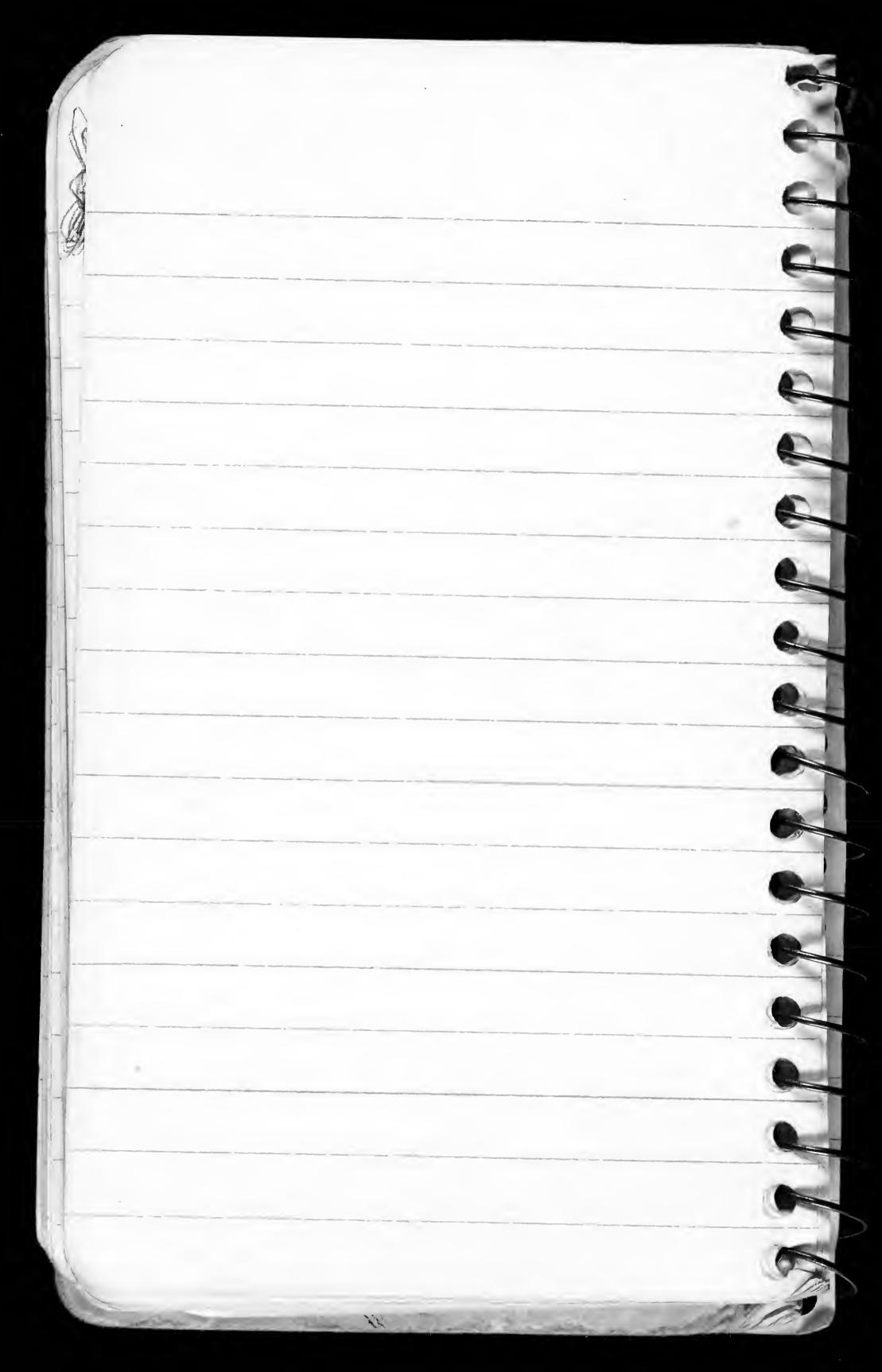


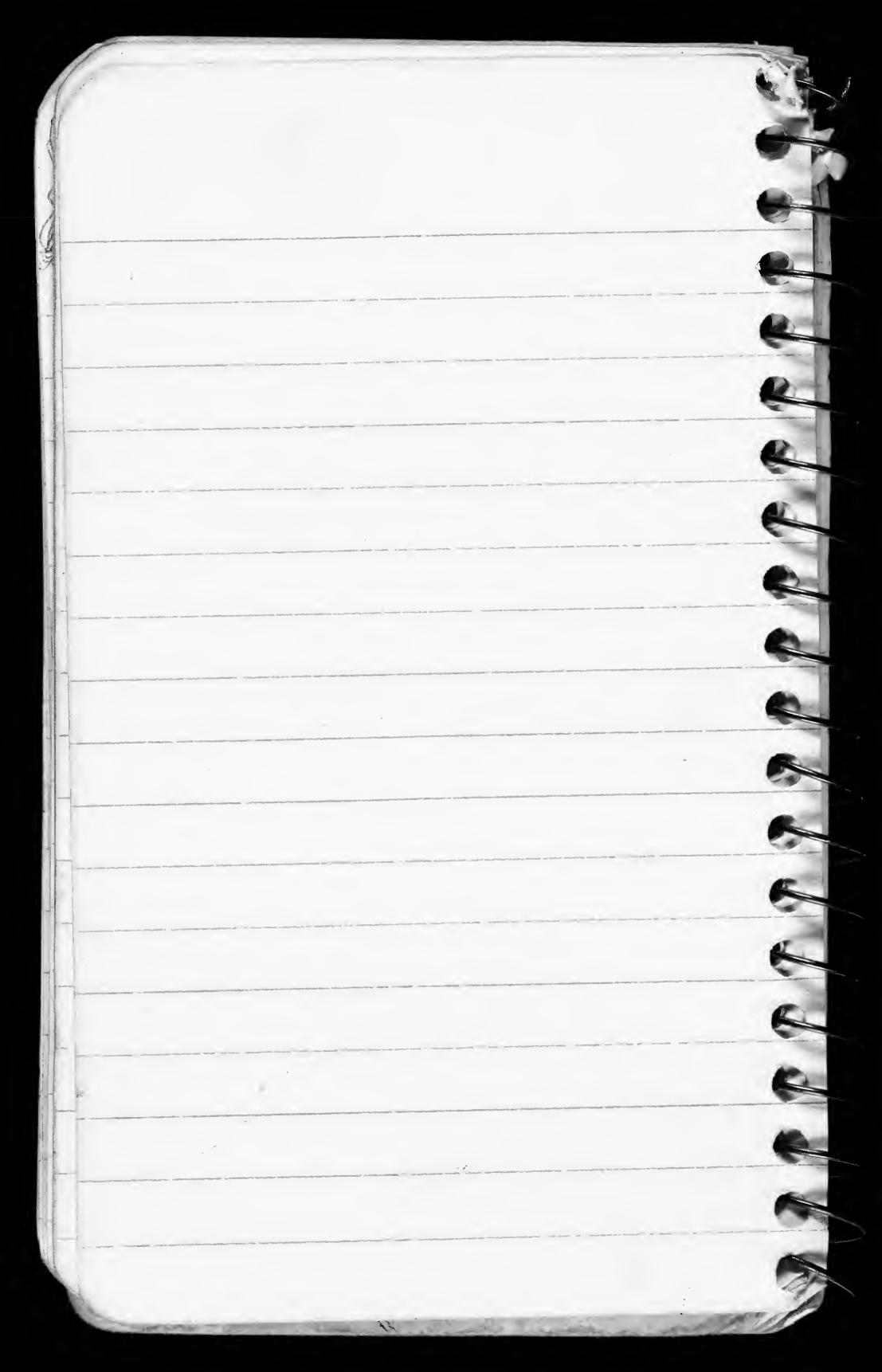


1601 12 EL 17 E

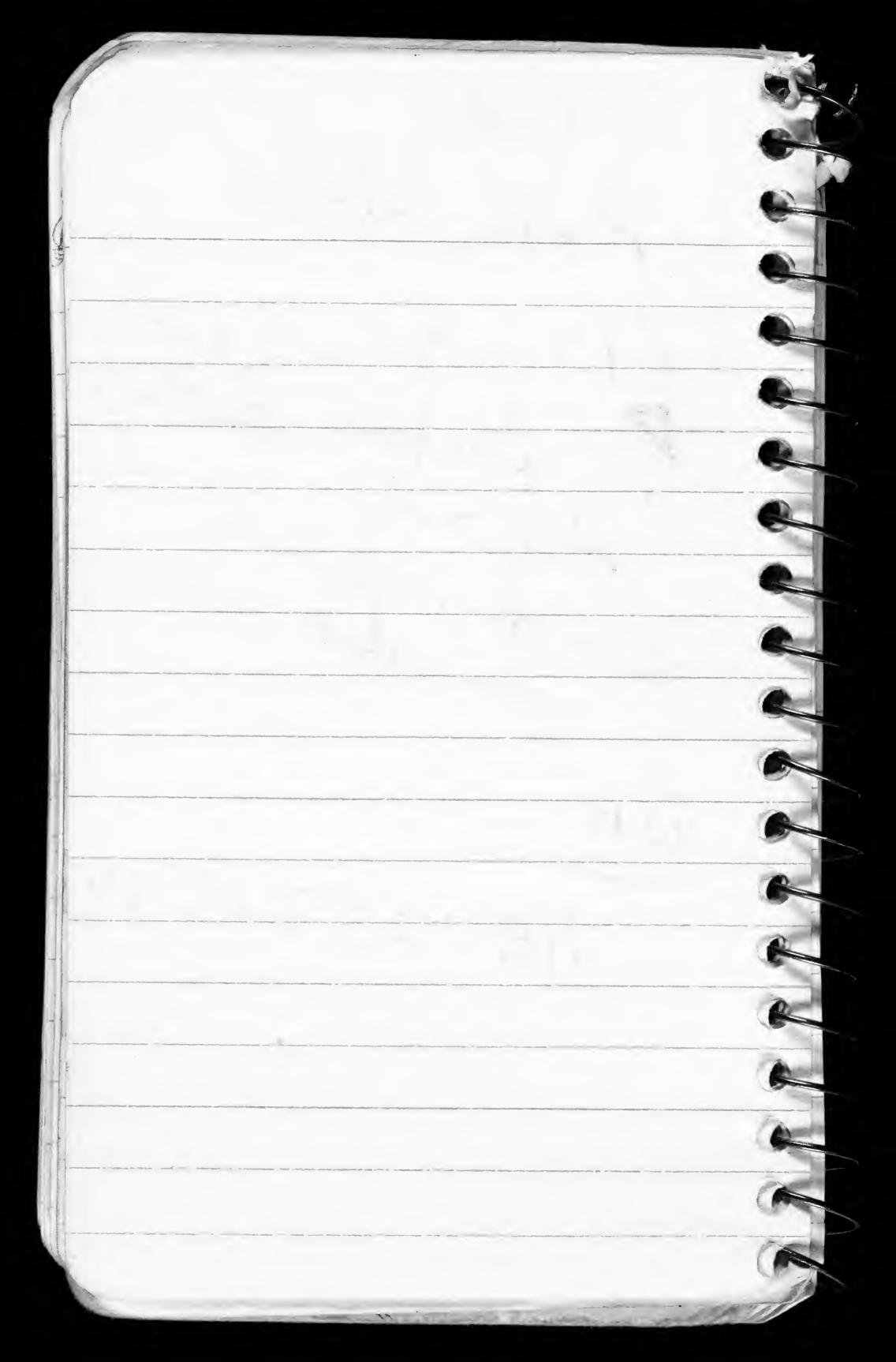


100 Bell Orbern arrey & Marioa
mudd Dirried With Bill Harmer & Bill March & Bill Brief & Bill





2 thy all white 617-9268200 Le Barbara Bentley



BELIZE. 1981

Tollie seconder Tzac

John Seconder Tzac

John Salamener To

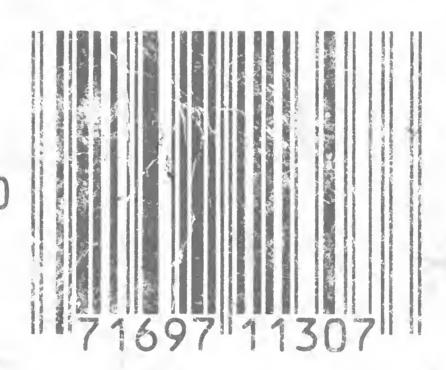
John Salamener To

Celvia dello Chi Right Labban

BELIZE 1981

## Denworthy

NOTEBOOK



80 SHEETS 5-IN. x 3-IN.

NO. 11307

OLD No. W-783



BRADNER CENTRAL CO. CHICAGO, ILLINOIS 60606

- Blue Creek

  6. <u>Heterotermes</u> sp. June 7,1981; From heavily-eaten stump in ground, Blue Creek; S,W.
- 7. Combat 1: Large ant running on trail; Heterotermes added, trail disrupted, worker and soldier termites attacked and drove off ants
- . Combat 2 Red army ant vs <u>Heterotermes</u> sp.; ants were diverted from trail, termites attacked and repelled them; ants showed signs of distress after termite contact
- . Combat 3 Red army ant vs <u>Nasutitermes</u> sp.; termites repelled ants effectively; June 8, 1981
- 7. Berds Road, 0.7 mi. from junction with Lubantin Rd., Belize June 8
- 8. Seive colony, Fence post beside road to Blue Creek, 4 mi. north of Blue Creek; 200 soldiers to hexane; Nasutitermes sp.; June 8.
- 9. ; from dead branch on ground beside road in second-growth bordering Columbia Road, ca 5 mi. from Blue Creek
- 10.Staphylinidae eating stray termites at site of nest picking, <u>Nasutitermes</u> sp.,
  June 9
- 11. Huntitumes M., beside road, second growth, near store, 6 mi. from Blue Creek; S.W. June 8; / Absolution in which an in the later
- 12. June 8 Beside road, carton nest on palm tree ca 1½ ft. above ground; ca 6 mi. from Blue Creek, cleared area beside road, second-growth forest; 100 s in hexane
- Combat with Monacis (?) sp. ,photographed at length: Ants captured termites; showed temporary distress after being fired upon, but went on to clean, then attack more termites. Nest material with termites in it placed in midst of combat at 10:55 AM. After 1 hour: Termites numerous in nest material and in an orderly train to under surface of log June 9
- 13. Armitermes sp. from large down log going uphill from lodge, Blue Creek, June 9.
- 14. June 9 Log on ground, as in #13 but further up trail; coll. Marianne Early;
- 15. <u>Heterotermes</u> sp, from a standing dead stump up trail from Blue Creek lodge latrine; June 9, 1981
- 16. Nasutitermes sp. looks like N. octopilis, smells like it, acts like it;

  June 9; dead, down HARD stump; S,W.
- Combat with Monacis (?); block of wood containing ca 30 Nasutitermes sp. workers and soldiers placed in path of foraging Monacis; ants were instantly repelled; circled around termites; termite soldiers fired on any ant that approached; group still intact after 30 minutes. Parties separated out leaving wood, later returned. Soldiers slow, but repelled ants effectively. 1 worker captured at beginning of engagement; another worker captured at 45 minutes combat time. Observations terminated at 60 minutes. Surviving termites returned to culture; 6 sprayed ants isolated to plastic cups. At 24 hours, 3 were alive; 1 was dead; and 2 had escaped.
- 17. Amitermes sp. S,W. From down, dead wood near lodge at Blue Creek; 10 June, 1981.
- 18. Nasutitermes sp. large colony in rotten log on trail to falls, Blue Creek; 10 June 1981; 100 to hexane

Combat: 12:30 PM June 10; ca 200 termites from colony placed on Monacis trail; ants seizes workers and soldiers immediately; nearly all carried off by ants within 30 minutes.